

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1–26. (Canceled)

27. (Previously Presented) A fuel cell stack comprising:

a pair of separators;

an MEA in which an electrolyte membrane, a catalyst layer, and a diffusion layer are laminated, and which is provided between the pair of the separators; and

an adhesive layer provided between the pair of the separators, which contacts at least an end of the electrolyte membrane, an end of the catalyst layer and an end of the diffusion layer, wherein the adhesive layer has a Young's modulus within the range of 30 MPa to 100 MPa.

28. (Previously Presented) The fuel cell stack according to claim 27, wherein;

the electrolyte membrane has an extended portion which extends beyond the end of the catalyst layer and the end of diffusion layer, and

a portion of the adhesive layer is provided between the extended portion of the electrolyte membrane and one of the pair of separators so as to contact a surface of the extended portion, and another portion of the adhesive layer is provided between the extended portion of the electrolyte membrane and another of the pair of separators so as to contact another surface of the extended portion.

29. (Previously Presented) The fuel cell stack according to claim 27, wherein;

a portion of the adhesive layer is provided between one of the pair of the separators and the catalyst layer so as to contact a surface of the catalyst layer; and another portion of the adhesive layer is provided between another of the pair of the separators and the diffusion layer so as to contact a surface of the diffusion layer.

30. (Previously Presented) The fuel cell stack according to claims 27, wherein:
the Young's modulus of the adhesive layer is within a range of 50 MPa to 30
MPa.

31. (Previously Presented) The fuel cell stack structure according to claims 27,
wherein;

the adhesive layer has a thickness of 50 μm to 150 μm .

32. (Previously Presented) The fuel cell stack according to claim 27, wherein a
rigid spacer is provided in the adhesive layer.

33. (Previously Presented) The fuel cell stack according to claim 32, wherein the
rigid spacer is provided in the adhesive layer throughout a non-generation region.

34. (Currently Amended) The fuel cell stack according to claim 32, wherein the
adhesive layer has a thickness that allows the adhesive layer to have a Young's modulus of at
most 100 MPa ~~even if with the hard rigid spacer is provided~~ provided in the adhesive layer.

35. (Previously Presented) The fuel cell stack according to claim 27, wherein
multiple cells, each of which is formed by interposing the MEA between the pair of
separators, are linearly arranged in a cell stacking direction, and the fuel cell stack further
comprises an adhesive layer sandwiched between two cells adjacent to each other.

36. (Previously Presented) The fuel cell stack according to claim 27, wherein
multiple cells, each of which is formed by interposing the MEA between the pair of
separators, are linearly arranged in a cell stacking direction, and a bead gasket is provided as a
seal between two of the multiple cells, which are adjacent to each other, and a separator of the
two of the multiple cells which contacts the bead gasket has a greater planar rigidity than a
separator of another cells which does not contact the bead gasket.

37. (Currently Amended) The fuel cell stack structure according to ~~claim 33~~claim 36, further comprising a generally flat plate which is placed on the separator which contacts the bead gasket to increase the planar rigidity of the separator.

38. (Previously Presented) The fuel cell stack according to claim 27, wherein the adhesive layer is provided between the separators in an entire non-power generation region.

39. (Previously Presented) The fuel cell stack according to claim 27, wherein the adhesive layer contains rigid beads each of which has a diameter equal to or smaller than a thickness of the adhesive layer.